115/989

Subject Bibliography

SB-115
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ASTRONOMY AND ASTROPHYSICS

Air Almanac *Provides the astronomical data and ephemerides required for navigation.*

1988 1987: 906 p.; ill. Clothbound — S/N 008-054-00132-7 — $36.00
D 213.8/3:988

1989 1988: 902 p.; ill. Clothbound — S/N 008-054-00126-2 — $50.00

Almanac for Computers *Provides astronomical data in a format for small computers and calculators used in navigation and positional astronomy. Concise mathematical expressions are used to represent the coordinates of celestial bodies for specific intervals of time. Expressions are approximations.*

1988 1987: 100 p. — S/N 008-054-00133-5 — $4.25
D 213.14:988

1989 1988: 100 p. — S/N 008-054-00137-8 — $4.25

Astronomical Almanac for the Year *Contains data for astronomy, space science, geodesy, surveying, navigation and other applications.*

1988 1987: 500 p.; ill. Clothbound — S/N 008-054-00131-9 — $21.00
D 213.8:988

1989 1988: 551 p.; ill. Clothbound — S/N 008-054-00135-1 — $24.00
D 213.8:989

Astronomical Phenomena for the Year 1990 *Provides information on the Sun, Moon, planets, eclipses, Gregorian calendar and Julian day numbers, circumpolar stars, time zones, and related phenomena.* 1988: 77 p.; ill. — S/N 008-054-00128-9 — $3.00
D 213.8/3:990

Atlas of Comet Halley, 1910-1911 1986: 612 p.; ill. Clothbound — S/N 033-000-00991-7 — $48.00
NAS 1.21:488

Comparing the Planets 1979: Poster, 32x56 in. 1985-repr. — S/N 033-000-00744-2 — $3.50
NAS 1.20:NF-58

Ephemeris of the Sun, Polaris and Other Selected Stars, With Companion Data and Tables for the Year 1987-1988 *Supplement to the Manual of Instruction for the Survey of the Public Lands of the United States. Includes a fold-out chart that visualizes the position of selected stars.* 1986: 60 p.; ill. — S/N 024-011-00168-9 — $2.00
I 53.8:987-88

Geology of the Terrestrial Planets *Outlines the geologic history of the terrestrial planets; the Earth, Mercury, Venus, and Mars in light of recent exploration and a revolution in geological thought. Geological features of the Moon, asteroids, and Comets are also discussed.* 1984: 325 p.; ill., 25 plates. Clothbound — S/N 033-000-00900-3 — $16.00
NAS 1.21:469

Halley's Comet: A Bibliography *Publication contains references to publications on Halley's Comet, its history, orbital motion, and physical characteristics. Also included are preparations for space missions to study Halley's Comet in 1986.* 1984: 585 p. Clothbound — S/N 030-000-00158-3 — $26.00
LC 33.9/3:H 15

Look at the Planets *Includes brief descriptions of planets Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, and the Moon.* 1985: 8 p.; ill. — S/N 033-000-00964-0 — $1.00
NAS 1.2:P 69/3

M-Type Stars *Presents current information on the thermodynamic theories as related to normal star modeling and stellar evolution.* 1986: 583 p.; ill. — S/N 033-000-01007-9 — $26.00
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NAS 1.46:

NASA Grant and Cooperative Agreement Handbook (NHB 5800.1B) *October 1983. Subscription service consists of a basic manual, changes and procurement grant directives issued irregularly for an indeterminate period. Subscription price: Domestic - $23.00; Foreign - $28.75. (NGH) (File Code 1X)* **S/N 933-001-00000-8**
NAS 1.18:G 76/3/983

Nautical Almanac for the Year *Contains ephemeral and other data such as astronomy, space sciences, geodesy, surveying, navigation and other applications required for astronomical navigation at sea.*

1988 1986: 311 p.; ill. and chart. **S/N 008-054-00119-0** **$15.00**
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1989 1987: 347 p.; ill. and chart. **S/N 008-054-00134-3** **$17.00**
D 213.11:989

New Sun: The Solar Results From Skylab *This richly illustrated book highlights the new and exciting picture of the Sun from Skylab.* 1979: 217 p.; ill. Clothbound **S/N 033-000-00742-6** **$21.00**
NAS 1.21:402

O Stars and Wolf-Rayet Stars *Defines and describes the main observable properties of these stars. The summary of the book is given in both English and French; the rest of the book is in English.* 1988: 512 p.; ill. **S/N 033-000-01021-4** **$24.00**
NAS 1.21:497

Our Planets at a Glance *Describes interplanetary exploration conducted by spacecraft Viking, Pioneer, Voyager, and Mariner.* 1982: 16 p.; ill. **S/N 033-000-00859-7** **$2.75**
NAS 1.20:NF-134

Photographic Catalog of Selected Planetary Size Comparisons *Includes photographs taken by NASA spacecraft, and cartographic products based on these photos to illustrate size comparisons of moons and planets. Both global views and prominent geographical features are depicted at the same scale.* 1985: 138 p.; ill. **S/N 033-000-00961-5** **$5.00**
NAS 1.15:86207

Pioneer Venus 1983: 262 p.; ill. **S/N 033-000-00873-2** **$11.00**
NAS 1.21:461

Planetary and Lunar Coordinates for the Years 1984-2000 *Contains ephemerides for 1984-2000 and auxiliary tables.* 1983: 335 p. **S/N 008-054-00110-6** **$14.50**
D 213.2:P 69/984-2000

Planetary Exploration Through Year 2000:

Core Program *Topics covered include recommended program strategy, the era of spacecraft exploration, scientific strategy for planetary exploration, core program implementation, and missions for a core program.* 1983: 167 p.; ill. **S/N 033-000-00882-1** **$7.00**
NAS 1.2:Ex 7/2

Executive Summary to the above 1983: 28 p.; ill. **S/N 033-000-00871-6** **$5.50**
NAS 1.2:Ex 7/2/exec.sum.

Mission Operations *Describes the application of cost control techniques to the planetary exploration program of the Jet Propulsion Laboratory's Core Program Mission Operations. Areas of emphasis include the need to develop unique operations and information systems for each planetary mission, gradual elimination of labor-intensive operations, and changing insufficient end-to-end analysis of deep space mission operations.* 1986: 55 p.; ill. **S/N 033-000-00993-3** **$4.00**
NAS 1.2:Ex 7/3

Scientific Rationale *Summarizes the accomplishments of the planetary science program to date, and briefly describes recommended missions which could be launched by the year 2000.* 1988: 88 p.; ill. **S/N 033-000-01038-9** **$7.00**

Scientific and Technical Aerospace Reports, An Abstract Journal *(Semimonthly.) This subscription announces abstracts, and indexes reports issued by the National Aeronautics and Space Administration, as well as by other Government agencies, universities, industry, and research organizations both in the United States and abroad. Subscription price: Domestic - $99.00 a year; Foreign - $123.75 a year. Single copy price: Domestic - $12.00 a copy; Foreign - $15.00 a copy. (STAR) (File Code 2E)* **S/N 733-003-00000-6**
NAS 1.9/4:

Smithsonian Astrophysical Observatory Star Catalog: Positions and Proper Motions of 258,997 Stars for the Epoch and Equinox of 1950.0 1966: 4 bks. (2876 p.); ill. 1979-repr. Clothbound **S/N 047-000-00006-8** **$60.00**
SI 1.2:St 2/pt.1-4

Space Telescope *Traces the historical and technological development of the Space Telescope that was launched with the Space Shuttle in 1985.* 1983: 64 p.; ill. NAS 1.19:166	S/N 033-000-00882-7	$5.50
Star Splitters: The High Energy Astronomy Observatories *Traces the history and development of NASA's High Energy Astronomy Observatory (HEAO) Program.* 1984: 191 p.; ill. Clothbound NAS 1.21:466	S/N 033-000-00907-1	$12.00
Stars In Your Eyes: A Guide to the Northern Skies *Tells how to locate several summer constellations of the northern sky and discusses some of the fascinating tales surrounding them.* 1981: 23 p.; ill. 1985-repr. D 103.6/5:St 2	S/N 008-022-00155-7	$1.50
To Uranus and Beyond *Describes the Voyager spacecrafts and their encounters with the planet Uranus. Also contains information on: William Herschel, the discoverer of Uranus; preparations for building the spacecrafts; the planet Uranus, its moons and rings; and the future encounter of Voyager to the planet Neptune.* 1987: 25 p.; ill. NAS 1.19:260	S/N 033-000-01004-4	$2.00
Viking Pictures of Mars, Set Number 1 1977: 9 posters, 12x25 in. NAS 1.43/5:1	S/N 033-000-00691-8	$5.00
Voyage of Mariner 10: Mission to Venus and Mercury 1978: 224 p.; ill. Clothbound NAS 1.21:424	S/N 033-000-00710-8	$13.00
Voyage to Jupiter *Chronicles the Voyager mission to Jupiter from 1972 through 1979, especially the 'flybys' of Jupiter which occurred on March 5 and July 9, 1979, and discusses the findings. Includes many color images of the planet and its moons as well as photographs of the spacecraft and scientists.* 1980: 211 p.; ill. NAS 1.21:439	S/N 033-000-00797-3	$9.00
Voyager at Saturn (Lithographs) *Contains 5 lithographs, each with the main title: 'Voyager at Saturn.' Posters have subtitles: 'The Planet,' 'The Rings,' 'The Satellites,' and 'Titan.' One poster has no subtitle.* 1981: 5 posters, 36x24 in.; flat. 1986-repr. NAS 1.43:V 94/37/A-E	S/N 033-000-00831-7	$8.00
Voyager Encounters Jupiter 1979: 40 p.; ill. 1985-repr. NAS 1.12/7:400-24	S/N 033-000-00772-8	$3.50
Voyages to Saturn *A chronology of observatory activities carried out by Voyager 1 and 2 spacecraft in their missions to Saturn in 1980 and 1981. Includes many photographs of the planet and its satellites.* 1982: 237 p.; ill. NAS 1.21:451	S/N 033-000-00842-2	$9.50

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